

#### Abstract of the Disclosure

In a method for manufacturing Ni-Al alloy powders for electrode materials of fuel cells, in which, using aluminum chloride ( $\text{AlCl}_3$ ) as a catalyst, powders of Ni and Al, that have been used as electrode materials, are chemically reacted with each other to diffuse the Al into the Ni powders, so that Ni-Al alloy powders can be manufactured at a low temperature below fusion points of Ni and Al while maintaining a shape and a size of the existing Ni powders as they are, thus providing a manufacturing process of Ni-Al alloy powders that is simple, economical, compatible in working, and ready for scale-up, and in which a conventional manufacturing process of electrode based on Ni is used as it is, so that large sized electrode is manufactured.